University of Gdańsk

Subject card

Subject name and code	Seminar in Marine and Atmospheric Chemistry I, PG_00204962		
Field of study	Oceanography		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2026/2027
Education level	Master's studies	Subject group	Obligatory subject group in the field of study Optional subject group Subject group related to scientific research in the field of study
Mode of study	full-time studies	Mode of delivery	at the university
Year of study	1	Language of instruction	Polish
Semester of study	1	ECTS credits	4.0
Learning profile	academic	Assessment form	credit
Conducting unit	Department of Chemical Oceanography and Marine Geology -> Faculty of Oceanography and Geography -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Anita Lewandowska	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	0.0	0.0	0.0	30.0	30

E-learning hours included: 0.0

Additional information:

Presentation of progress in the implementation of the master's thesis and their discussion.

Learning activity and number of study hours

Learning activity	Participation in didactic classes included in study plan	Participation in consultation hours	Self-study	SUM
Number of study hours	30	5.0	65.0	100

Subject objectives

The course aims to assist students in preparing their master's thesis by:

1. Developing skills in preparing and presenting substantively and technically accurate multimedia scientific presentations in the field of marine and atmospheric chemistry related to the topic of the master's thesis,
2. Developing skills in critically evaluating the selection of scientific literature and the presented scientific content,
3. Improving skills in conducting scientific discussions in the field of marine and atmospheric chemistry related to the topic of the master's thesis.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[OCEANMU2-U05] is able to use source information in Polish and a chosen foreign language, including archival and electronic databases, within the field of oceanography; critically analyzes and synthesizes information, and is capable of performing critical interpretation and synthesis of data	Is able to use source information, including archival data and electronic databases, in the field of marine and atmospheric chemistry in Polish and English and critically evaluates it (program content: Master's thesis topic).	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU3] text preparation/written work
[OCEANMU2-U02] is able to fluently and accurately use scientific terminology when presenting and discussing oceanographic issues, and to propose and justify innovative solutions	Is able to use scientific terminology appropriately in presenting and discussing problems in the field of marine and atmospheric chemistry (program content: master's thesis topic).	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report
[OCEANMU2-W03] has an in-depth understanding of research methods used in oceanography and related sciences, and interprets their mechanisms and interrelationships across different spatial and temporal scales	Has in-depth knowledge of research methods used in marine and atmospheric chemistry (program content: master's thesis topic),	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report
[OCEANMU2-W02] knows and understands complex processes and phenomena occurring in the marine environment, with particular emphasis on the coastal zone, as well as complex relationships between living and non-living elements of the aquatic environment	Has a thorough knowledge of the processes occurring in the marine environment and atmosphere, and understands the complex relationships between individual elements of the marine environment and at the land-sea-atmosphere interface (program content: master's thesis topic).	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report
[OCEANMU2-K03] is ready to effectively organize his/her own work, is active and persistent and punctuality in completing tasks, is ready to carrying out evaluation of their own activities	Is ready to effectively organize his/ her own work, demonstrates proactivity, and is characterized by perseverance and punctuality in completing tasks related to the master's thesis.	[SK8] observation of student's independent or team work
[OCEANMU2-W01] knows and understands in-depth specialized terminology used in oceanography and related sciences (in Polish and a selected foreign language)	Has an in-depth knowledge of specialist terminology used in marine and atmospheric chemistry (program content: master's thesis topic).	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report

Subject contents

1. Discussion of the structure of a master's thesis, the title page, required statements, and the thesis evaluation sheet.
2. Introduction to the ethical principles of writing a master's thesis with regard to plagiarism and the use of artificial intelligence.
3. Principles for preparing and delivering scientific presentations.
4. Principles for using and citing diverse scientific literature and its critical review.
5. Principles for formulating research problems, objectives, hypotheses, keywords, and tasks implemented in a master's thesis. Students prepare a presentation discussing the research problem, research objective, and research tasks.
6. Discussion of the principles for preparing the methodology section of a master's thesis. Students prepare a presentation on this topic. Discussion of the presentation with the group.
7. Students write the methodology section of their master's thesis.
8. Optional: Elements of academic tutoring (how to cope with a lack of motivation to write a thesis, how to manage time effectively, how to cope with stress when presenting the results of a master's thesis).

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Participating in discussions on other presentations	51.0%	10.0%
Providing feedback on one's own presentation	51.0%	20.0%
Preparing a presentation on a topic related to the master's thesis	51.0%	70.0%

Recommended reading

Basic literature	Books and scientific articles related to the topic of the master's thesis.
Supplementary literature	Books and scientific articles related to the topic of the master's thesis.
eResources addresses	

Example issues/ example questions/ tasks being completed

Work placement

Not applicable

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